



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/606,532	06/26/2003	Gregory Zaslavsky	02-I-852	5759
7590	01/12/2004		EXAMINER	
Robert F. Clark OSRAM SYLVANIA Inc. 100 Endicott Street Danvers, MA 01923			LEURIG, SHARLENE L	
			ART UNIT	PAPER NUMBER
			2879	

DATE MAILED: 01/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/606,532	ZASLAVSKY ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Sharlene Leurig	2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 26 June 2003.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-22 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-22 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 26 June 2003 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. §§ 119 and 120

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

- 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
 a) The translation of the foreign language provisional application has been received.  
 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)                    4) Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)                    5) Notice of Informal Patent Application (PTO-152)  
 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 0603.                    6) Other: \_\_\_\_\_

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 8-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 8-16 are rejected because claim 8, on which claims 9-16 depend, recites "first and second ends of each of said plural wires extending beyond ends of said ceramic core and being twisted together" in the last lines of the claim. It is unclear whether the wires are twisted together so that the first ends of each of the plural wires are twisted together and the second ends of the plural wires are twisted together, or if the first ends and the second ends are twisted together.

Claims 17-22 are rejected because claim 17, on which claims 18-22 depend, recites "ends of each of said plural wires extending beyond ends of the core and are twisted together to form an electrode tip". It is unclear whether both ends of the wires are twisted together to form a single electrode tip, or whether opposite ends are separately twisted together to form more than one electrode tip.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Munn (3,592,958).

Regarding claim 1, Munn discloses an electrical feed-through comprising an elongate core (Figure 8, element 256) having a plurality of grooves (254, 252) extending in a longitudinal direction in an exterior surface of the core, and a plurality of separate electrically conductive wires (212, 216) each extending in a different one of the plural grooves, ends of each of the plural wires extending beyond ends of the core and at least one of the ends of the plural wires being twisted together (Figure 5). The limitation of the electrical feed-through being for a discharge lamp is a statement of intended use, and therefore is not given any patentable weight.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Munn (3,592,958) in view of Gukelberger, Jr. et al. (3,903,324).

Munn discloses an electrical feed-through having a plurality of wires electrically spliced to other wires (column 5, lines 32-34), but lacks disclosure of the material used for the wires.

Gukelberger, Jr. et al. teaches that molybdenum is a good electrical conductor because of its low resistivity (column 1, lines 14-15).

Therefore regarding claims 2 and 3, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Munn's wires to be made of molybdenum in order to provide a wire of a material having good electrical conductivity, as taught by Gukelberger.

Regarding claim 3, the plural wires are twisted, as shown in Figure 5, and are attached to other wires, that can be considered lead wires (column 5, lines 32-34).

7. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Munn (3,592,958).

Munn discloses an electrical feed-through having a plurality of grooves formed in an elongate core, but lacks disclosure of the number of grooves.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Munn's electrical feed-through to have six grooves formed in the elongate core, since it has been held that where the general conditions of a claim are

disclosed in the prior art, discovering the optimum or workable ranges involves only routine skill in the art. *In re Aller*, 105 USPQ 233.

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Munn's elongate core to have six grooves in order to support six wires, as it has been held to be within the ordinary skill in the art to determine the optimum range of wires and grooves.

### ***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. If the applicant wishes to review a former publication on an electrical feed-through having an elongate core with a plurality of grooves, and a plurality of wires in each of the grooves, the wires extending beyond the core and being twisted together, Japanese patent publication 53-26981 is cited of interest.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharlene Leurig whose telephone number is (703)305-4745. The examiner can normally be reached on Monday through Friday, 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (703)305-4794. The fax phone number for the organization where this application or proceeding is assigned is (703)308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

Sharlene Leurig

SL

*Nimesh Kumar D. Patel*  
NIMESHKUMAR D. PATEL  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800